

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Spring 2010 Levee Inspection Results

Reclamation District No. 2089 Stark

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 2089 Stark

Waterway				Bank	Unit Miles
Unit No. 01 Old River				Right	1.53
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)	
Unit Maintenance Rating (Fall Only)					
Date of Inspection	4/8/2010 - 4/8/2010				
DWR Inspector	John Paasch				
Accompanied By	Bob Winter KSN				

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Old River							Right	1.53	04/08/2010 04/08/2010	John Paasch	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End	Photo	
1	0.01	0.01	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.811582 ° -121.385448 °	37.811582 ° -121.385448 °	3 Y	
2	0.03	0.03	Earthen Levee	Encroachments	LS	W	Pipe Inspector Comments: Drainage pump	37.811490 ° -121.385476 °	37.811490 ° -121.385476 °	7 Y	
3	0.03	0.54	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.811490 ° -121.385476 °	37.809989 ° -121.393866 °	8	
4	0.03	0.54	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.811489 ° -121.385476 °	37.809989 ° -121.393866 °	9 Y	
5	0.04	0.10	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.811453 ° -121.385660 °	37.811255 ° -121.386705 °	933 Y	
6	0.07	0.07	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: No change, veg limits visibility.	37.811350 ° -121.386077 °	37.811350 ° -121.386077 °	934 Y	
7	0.10	0.10	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: Two scrub oaks obstruct access to levee slope.	37.811272 ° -121.386703 °	37.811272 ° -121.386703 °	935	
8	0.18	0.18	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.810833 ° -121.387897 °	37.810833 ° -121.387897 °	936 Y	
9	0.22	0.22	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 2009: localized sloughing near the toe; rock protection has been added along the upper slope and along the toe; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; previously rated "M" [2009 SiteID:RD2089U1RM30.02]	37.810460 ° -121.388870 °	37.810460 ° -121.388870 °	1 Y	
10	0.23	0.23	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows.	37.810528 ° -121.388817 °	37.810528 ° -121.388817 °	937	
11	0.23	0.23	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.810532 ° -121.388823 °	37.810532 ° -121.388823 °	938	
12	0.24	0.24	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.810490 ° -121.389018 °	37.810490 ° -121.389018 °	939	
13	0.24	0.24	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Bamboo remains as an obstruction despite last years burning.	37.810488 ° -121.389018 °	37.810488 ° -121.389018 °	940	
14	0.25	0.25	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	° -121.389237 °	° -121.389237 °	941	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway					Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River					Right	1.53	04/08/2010 04/08/2010	John Paasch

LMR No	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
15	0.26	0.26	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Brush is growing despite the rock protection.	37.810380 ° -121.389282 °	37.810380 ° -121.389282 °	942
16	0.27	0.27	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability.	37.810343 ° -121.389470 °	37.810343 ° -121.389470 °	943
17	0.29	0.34	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Brush and trees are thick in this reach. Access and visibility is completely blocked.	37.810267 ° -121.389753 °	37.810012 ° -121.390697 °	944 Y
18	0.30	0.31	Supplemental DWR Erosion Survey		WS	U	Inspector Comments: 2009: Rock revetment placed on the upper slope; however, vertical scarp is still present; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site same as RM29.95, LM0.22; previously rated "M" [2009 SiteID:RD2089U1RM29.95]	37.810050 ° -121.390260 °	37.810050 ° -121.390260 °	2 Y
19	0.36	0.37	Earthen Levee	Vegetation	LS	U	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tobacco plant, not Elderberry. Wild rose on lower slope limits access and visibility.	37.809963 ° -121.390925 °	37.809920 ° -121.391105 °	945 Y
20	0.38	0.38	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight.	37.809865 ° -121.391303 °	37.809865 ° -121.391303 °	946 Y
21	0.39	0.39	Earthen Levee	Animal Control	CR	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout borrows. Inspector Comments: Burrow holes on both sides of levee road.	37.809870 ° -121.391465 °	37.809870 ° -121.391465 °	947
22	0.41	0.47	Earthen Levee	Trim / Thin Trees	LS	U	Thin trees to allow visibility of the ground and room to flood fight. Inspector Comments: Trees and wild rose obstruct access and visibility.	37.809793 ° -121.391717 °	37.809592 ° -121.392822 °	948 Y
23	0.41	0.41	Supplemental DWR Erosion Survey		WS	M	Inspector Comments: 2009: rock protection placed on upper slope; images need to be updated; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site # same as RM29.84, LM0.30; previously rated "M" [2009 SiteID:RD2089U1RM29.83]	37.809530 ° -121.392160 °	37.809530 ° -121.392160 °	4 Y
24	0.47	0.47	Earthen Levee	Encroachments	WS	W	Pipe	37.809494 ° -121.392787 °	37.809494 ° -121.392787 °	10 Y
25	0.49	0.49	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.809658 ° -121.393023 °	37.809658 ° -121.393023 °	949 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway							Bank	Unit Miles	Inspection Start/End		Inspector	
Unit No. 01 Old River							Right	1.53	04/08/2010 04/08/2010		John Paasch	
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.		
	Start	End						Start	End	Photo		
26	0.54	0.61	Earthen Levee	Trim / Thin Trees	WS	U	Trim trees to at least five feet above ground level.	37.810137 ° -121.394150 °	37.810195 ° -121.395417 °	11	Y	
27	0.56	0.60	Earthen Levee	Vegetation	CR	U	Control annual grass and weeds on the levee slopes and easements. Inspector Comments: Bull Thistle	37.810092 ° -121.394218 °	37.810203 ° -121.394935 °	12	Y	
28	0.60	0.60	Earthen Levee	Trim / Thin Trees	LS	M	Thin trees to allow visibility of the ground and room to flood fight.	37.810230 ° -121.394967 °	37.810230 ° -121.394967 °	950		
29	0.64	0.64	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.810130 ° -121.395732 °	37.810130 ° -121.395732 °	951		
30	0.66	0.66	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: No major change observed; 5-ft vertical scarp is immediately downstream of where berm has tapered; recommend as local maintenance issue, per CLRO CES Evaluation 2008 Report; site is same as RM29.6,LM0.60; previously rated "U" [2009 SiteID:RD2089U1RM29.61]	37.809780 ° -121.396230 °	37.809780 ° -121.396230 °	5	Y	
31	0.72	0.77	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Wild Rose on levee toe block access and visibility.	37.809508 ° -121.397062 °	37.808975 ° -121.397528 °	952	Y	
32	0.78	0.78	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tall brush on levee slope.	37.808857 ° -121.397412 °	37.808857 ° -121.397412 °	953	Y	
33	0.82	0.82	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake pump and pipe.	37.808427 ° -121.397827 °	37.808427 ° -121.397827 °	13	Y	
34	0.84	0.84	Earthen Levee	Encroachments	LS	M	Agricultural tilling	37.808091 ° -121.397880 °	37.808091 ° -121.397880 °	14	Y	
35	0.85	0.96	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.806115 ° -121.398676 °	37.806440 ° -121.397728 °	18		
36	0.86	0.89	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.807912 ° -121.397768 °	37.807423 ° -121.397727 °	954		
37	0.96	0.96	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Bamboo and Tobacco Leaf.	37.806412 ° -121.397783 °	37.806412 ° -121.397783 °	955	Y	
38	0.99	1.01	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.806223 ° -121.398158 °	37.806165 ° -121.398462 °	19	Y	
39	1.01	1.07	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.806088 ° -121.398710 °	37.805903 ° -121.399857 °	15		

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River				Right	1.53	04/08/2010 04/08/2010	John Paasch

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
40	1.04	1.06	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and tobacco block visibility.	37.806063 ° -121.398930 °	37.805967 ° -121.399348 °	956
41	1.09	1.09	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	37.805868 ° -121.399830 °	37.805868 ° -121.399830 °	20
42	1.10	1.10	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Brush blocks access.	37.805848 ° -121.400003 °	37.805848 ° -121.400003 °	957
43	1.16	1.16	Earthen Levee	Encroachments	WS	W	Pipe	37.805623 ° -121.401207 °	37.805623 ° -121.401207 °	21 Y
44	1.18	1.18	Supplemental	DWR Erosion Survey	WS	M	Inspector Comments: 2009: existing revetment just above the toe is sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site # is same as RM29.1, LM1.10; previously rated "M" [2009 SiteID:RD2089U1RM29.11]	37.805530 ° -121.401700 °	37.805530 ° -121.401700 °	6 Y
45	1.19	1.51	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.805605 ° -121.401696 °	37.806466 ° -121.407156 °	22
46	1.26	1.26	Earthen Levee	Trim / Thin Trees	LS	U	Trim trees to at least five feet above ground level. Inspector Comments: Improvements made, however trees remain obstructive.	37.805770 ° -121.402790 °	37.805770 ° -121.402790 °	16 Y
47	1.35	1.40	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	37.806108 ° -121.404430 °	37.807467 ° -121.408873 °	17

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.01
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trees on landside slope limit access and visibility.

jpaasch_s_20100412_261.jpg



Levee Mile Report Line	2
Start Levee Mile	0.03
End Levee Mile	0.03
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Waterside of drainage discharge to Old River.

jpaasch_s_20100412_260.jpg



Levee Mile Report Line	4
Start Levee Mile	0.03
End Levee Mile	0.54
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Annual grasses on levee crown and slopes.

jpaasch_s_20100412_262.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	5
Start Levee Mile	0.04
End Levee Mile	0.10
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Brush and weeds on landside slope limit visibility and access.	
jpaasch_s_20100412_263.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.07
End Levee Mile	0.07
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Fall 2009 photo of animal burrows on waterside slope near crown.	
jpaasch_s_20100330_107.jpg	



Levee Mile Report Line	8
Start Levee Mile	0.18
End Levee Mile	0.18
Location	Crown
Category	Earthen Levee
Item	Animal Control
Fall 2009 photo of burrows on levee crown. During spring 2010 inspection vegetation too dense to locate holes. District stated that repair of holes not completed since last inspection.	
jpaasch_s_20100330_108.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	9
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Spring 2010 photo of erosion site near base of tree.

jpaasch_s_20100510_366.jpg



Levee Mile Report Line	9
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: localized sloughing near the toe; rock protection has been added along the upper slope and along the toe; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; previously rated "M" [2009 SiteID:RD2089U1RM30.02]

SJR2009_RM30.02U1 092809A.JPG



Levee Mile Report Line	9
Start Levee Mile	0.22
End Levee Mile	0.22
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: localized sloughing near the toe; rock protection has been added along the upper slope and along the toe; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; previously rated "M" [2009 SiteID:RD2089U1RM30.02]

SJR2009_RM30.02U1 092809B.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	17
Start Levee Mile	0.29
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Fall 2009 photo of thick brush and trees on landside slope.

jpaasch_s_20100330_110.jpg



Levee Mile Report Line	17
Start Levee Mile	0.29
End Levee Mile	0.34
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Thick brush and trees on levee crown and slope.

jpaasch_s_20100412_266.jpg



Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Slope protection placed Fall 2008 from LM 0.00 to 0.46. Photo looking downstream on waterside slope.

jpaasch_s_20100412_264.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Slope protection placed Fall 2008 from LM 0.00 to 0.46. Photo looking upsteam.

jpaasch_s_20100412_265.jpg



Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Rock revetment placed on the upper slope; however, vertical scarp is still present; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site same as RM29.95,LM0.22; previously rated "M" [2009 SiteID:RD2089U1RM29.95]

SJR2009_RM29.95U1 092809A.JPG



Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Rock revetment placed on the upper slope; however, vertical scarp is still present; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site same as RM29.95,LM0.22; previously rated "M" [2009 SiteID:RD2089U1RM29.95]

SJR2009_RM29.95U1 092809B.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Rock revetment placed on the upper slope; however, vertical scarp is still present; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site same as RM29.95,LM0.22; previously rated "M" [2009 SiteID:RD2089U1RM29.95]

SJR2009_RM29.95U1 092809C.JPG



Levee Mile Report Line	18
Start Levee Mile	0.30
End Levee Mile	0.31
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: Rock revetment placed on the upper slope; however, vertical scarp is still present; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site same as RM29.95,LM0.22; previously rated "M" [2009 SiteID:RD2089U1RM29.95]

SJR2009_RM29.95U1 092809D.JPG



Levee Mile Report Line	19
Start Levee Mile	0.36
End Levee Mile	0.37
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Indian Tobacco plant and wild rose on levee slope obstruct access and visibility.

jpaasch_s_20100412_268.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	20
Start Levee Mile	0.38
End Levee Mile	0.38
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trees on levee slope obstruct access and visibility.	
jpaasch_s_20100510_365.jpg	



Levee Mile Report Line	22
Start Levee Mile	0.41
End Levee Mile	0.47
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees
Fall 2009 photo of completely obstructive vegetation on levee slope.	
jpaasch_s_20100330_112.jpg	



Levee Mile Report Line	23
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Slope protection placed Fall 2008.	
jpaasch_s_20100412_267.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	23
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: rock protection placed on upper slope; images need to be updated; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site # same as RM29.84,LM0.30; previously rated "M" [2009 SiteID:RD2089U1RM29.83]

SJR2009_S5 LM0.41 11508a.jpg



Levee Mile Report Line	23
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: rock protection placed on upper slope; images need to be updated; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site # same as RM29.84,LM0.30; previously rated "M" [2009 SiteID:RD2089U1RM29.83]

SJR2009_S5 LM0.41 11508b.jpg



Levee Mile Report Line	23
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: rock protection placed on upper slope; images need to be updated; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site # same as RM29.84,LM0.30; previously rated "M" [2009 SiteID:RD2089U1RM29.83]

SJR2009_S5 LM0.41 11508c.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	23
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: rock protection placed on upper slope; images need to be updated; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; site # same as RM29.84, LM0.30; previously rated "M" [2009 SiteID:RD2089U1RM29.83]

SJR2009_S5 LM0.41 11508d.jpg



Levee Mile Report Line	24
Start Levee Mile	0.47
End Levee Mile	0.47
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake pump and pipe at LM 0.46.

jpaasch_s_20100412_271.jpg



Levee Mile Report Line	25
Start Levee Mile	0.49
End Levee Mile	0.49
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Fall 2009 photo: trees within 20-ft of levee crown on the waterside slope obstruct visibility and access.

jpaasch_s_20100330_113.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	26
Start Levee Mile	0.54
End Levee Mile	0.61
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Fall 2009 photo of trees within 20-ft of the levee crown on waterside slope. Access and visibility are obstructed.

jpaasch_s_20100330_106.jpg



Levee Mile Report Line	27
Start Levee Mile	0.56
End Levee Mile	0.60
Location	Crown
Category	Earthen Levee
Item	Vegetation

Bull Thistle on levee crown obstruct access and visibility.

jpaasch_s_20100412_272.jpg



Levee Mile Report Line	30
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Upstream view of slope protection placed Fall 2008.

jpaasch_s_20100412_269.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	30
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

Downstream view of rock slope protectio placed Fall 2008.

jpaasch_s_20100412_270.jpg



Levee Mile Report Line	30
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; 5-ft vertical scarp is immediately downstream of where berm has tapered; recommend as local maintenance issue, per CLRO CES Evaluation 2008 Report; site is same as RM29.6,LM0.60; previously rated "U" [2009 SiteID:RD2089U1RM29.61]

SJR2009_RM29.61U1 092809A.JPG



Levee Mile Report Line	30
Start Levee Mile	0.66
End Levee Mile	0.66
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: No major change observed; 5-ft vertical scarp is immediately downstream of where berm has tapered; recommend as local maintenance issue, per CLRO CES Evaluation 2008 Report; site is same as RM29.6,LM0.60; previously rated "U" [2009 SiteID:RD2089U1RM29.61]

SJR2009_RM29.61U1 092809B.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	31
Start Levee Mile	0.72
End Levee Mile	0.77
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Wild rose and other vegetation on levee toe reduce access and visibility.	
jpaasch_s_20100412_273.jpg	



Levee Mile Report Line	32
Start Levee Mile	0.78
End Levee Mile	0.78
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Brush and small trees on levee slope within 20' of the crown limit access and visibility.	
jpaasch_s_20100412_274.jpg	



Levee Mile Report Line	33
Start Levee Mile	0.82
End Levee Mile	0.82
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake pump and pipe on levee slope.	
jpaasch_s_20100412_275.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected

C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	34
Start Levee Mile	0.84
End Levee Mile	0.84
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Agricultural tilling on landside has encroached on levee toe.	
jpaasch_s_20100412_276.jpg	



Levee Mile Report Line	37
Start Levee Mile	0.96
End Levee Mile	0.96
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Tall vegetation on waterside hinge point and crown obstruct access and visibility.	
jpaasch_s_20100412_277.jpg	



Levee Mile Report Line	38
Start Levee Mile	0.99
End Levee Mile	1.01
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Vegetation on waterside crown and slope.	
jpaasch_s_20100412_278.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	43
Start Levee Mile	1.16
End Levee Mile	1.16
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Drainage discharge into Old River.

jpaasch_s_20100412_279.jpg



Levee Mile Report Line	44
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: existing revetment just above the toe is sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site # is same as RM29.1,LM1.10; previously rated "M" [2009 SiteID:RD2089U1RM29.11]

SJR2009_RM29.11a.JPG



Levee Mile Report Line	44
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: existing revetment just above the toe is sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site # is same as RM29.1,LM1.10; previously rated "M" [2009 SiteID:RD2089U1RM29.11]

SJR2009_RM29.11b.JPG



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Old River	Right	1.53	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	44
Start Levee Mile	1.18
End Levee Mile	1.18
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey

2009: existing revetment just above the toe is sloughing; recommend as a local maintenance issue, per CLRO CES Evaluation 2008 Report; site # is same as RM29.1,LM1.10; previously rated "M" [2009 SiteID:RD2089U1RM29.11]

SJR2009_RM29.11c.JPG



Levee Mile Report Line	46
Start Levee Mile	1.26
End Levee Mile	1.26
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

Trees on levee slope obstruct access and visibility.

jpaasch_s_20100510_367.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2010 Levee Inspection Results

Reclamation District No. 2089 Stark

Waterway			Bank	Unit Miles
Unit No. 02 Salmon Slough			Right	1.37

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	4/8/2010 - 4/8/2010			
DWR Inspector	John Paasch			
Accompanied By	Bob Winter KSN			

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Room LL-30
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough							Right	1.37	04/08/2010 04/08/2010	John Paasch
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.01	0.38	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.806577 ° -121.407706 °	37.810062 ° -121.412277 °	9 Y
2	0.01	0.38	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.806576 ° -121.407707 °	37.810064 ° -121.412277 °	2 Y
3	0.02	0.02	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level. Inspector Comments: Two large oaks with hanging limbs over levee. Downed limb.	37.806772 ° -121.407972 °	37.806772 ° -121.407972 °	3 Y
4	0.08	0.08	Earthen Levee	Vegetation	WS	U	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Thick brush may include some elderberries.	37.807375 ° -121.408605 °	37.807375 ° -121.408605 °	4 Y
5	0.21	0.21	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.809058 ° -121.409712 °	37.809058 ° -121.409712 °	5 Y
6	0.23	0.23	Earthen Levee	Trim / Thin Trees	WS	M	Trim trees to at least five feet above ground level.	37.809282 ° -121.409930 °	37.809282 ° -121.409930 °	6 Y
7	0.30	0.30	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.809878 ° -121.411027 °	37.809878 ° -121.411027 °	7 Y
8	0.34	0.34	Earthen Levee	Encroachments	LS	M	Prunings	37.810045 ° -121.411527 °	37.810045 ° -121.411527 °	20 Y
9	0.40	0.66	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Tobacco leaf and other brush block access and visibility.	37.810157 ° -121.412928 °	37.812395 ° -121.415813 °	8 Y
10	0.42	0.43	Supplemental	DWR Erosion Survey	WS	U	Inspector Comments: 2009: Pocket erosion on lower slope just above the toe rip rap; protruding rip rap upstream is creating an eddy, scouring the levee slope; site # is same as RM28.4,LM0.30; previously rated "U"; images are courtesy of the Levee Repair Office. [2009 SiteID:RD2089U2RM28.35]	37.809960 ° -121.413200 °	37.809960 ° -121.413200 °	1 Y
11	0.54	0.54	Earthen Levee	Slope Stability	WS	U	Repair slope instability. Inspector Comments: Animal tracks on slope	37.811161 ° -121.414800 °	37.811161 ° -121.414800 °	11 Y
12	0.56	0.56	Earthen Levee	Encroachments	WS	W	Pipe Inspector Comments: Irrigation intake	37.811366 ° -121.415064 °	37.811366 ° -121.415064 °	12 Y
13	0.69	0.85	Earthen Levee	Vegetation	WS	U	Remove the wild growth other than native grasses from the levee slopes.	37.812658 ° -121.415193 °	37.814843 ° -121.414732 °	10 Y
14	0.70	0.70	Earthen Levee	Crown Surface / Depressions / Rutting	CR	M	Add appropriate gravel or road base. Grade and compact. Inspector Comments: Animal tracks through gate degrading crown surface.	37.812813 ° -121.415132 °	37.812813 ° -121.415132 °	15 Y

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough							Right	1.37	04/08/2010 04/08/2010	John Paasch
LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
15	0.75	0.75	Earthen Levee	Slope Stability	LS	M	Repair slope instability. Inspector Comments: Animal traffic is degrading levee crown patrol road.	37.813643 ° -121.414461 °	37.813643 ° -121.414461 °	18
16	0.80	0.80	Earthen Levee	Vegetation	CR	C	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Plants were not elderberries. Tobacco leaf removed.	37.814070 ° -121.414325 °	37.814070 ° -121.414325 °	21
17	0.82	0.82	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	37.814450 ° -121.414315 °	37.814450 ° -121.414315 °	22
18	0.84	0.84	Earthen Levee	Animal Control	WS	M	Exterminate rodents and backfill and compact or grout burrows.	37.814708 ° -121.414495 °	37.814708 ° -121.414495 °	24
19	0.86	1.31	Earthen Levee	Vegetation	LS	M	Control annual grass and weeds on the levee slopes and easements.	37.814914 ° -121.414761 °	37.818903 ° -121.419790 °	26
20	0.86	0.86	Earthen Levee	Vegetation	LS	M	Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry and blackberry on levee slope.	37.814906 ° -121.414745 °	37.814906 ° -121.414745 °	25
21	0.87	1.31	Earthen Levee	Vegetation	WS	M	Control annual grass and weeds on the levee slopes and easements.	37.814934 ° -121.414801 °	37.818905 ° -121.419785 °	27
22	0.88	0.91	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows. Inspector Comments: Active rodent burrows on both sides of levee.	37.814978 ° -121.415117 °	37.814898 ° -121.415653 °	13 Y
23	1.00	1.04	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.815050 ° -121.417249 °	37.815366 ° -121.417789 °	28
24	1.04	1.37	Earthen Levee	Vegetation	WS	C	Remove the wild growth other than native grasses from the levee slopes.	37.815353 ° -121.417840 °	37.819358 ° -121.419625 °	16
25	1.07	1.07	Earthen Levee	Trim / Thin Trees	WS	N	Tree stumps. Inspector Comments: 14" dia stump	37.815629 ° -121.418133 °	37.815629 ° -121.418133 °	29 Y
26	1.15	1.15	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.816487 ° -121.418948 °	37.816487 ° -121.418948 °	30
27	1.17	1.20	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.816900 ° -121.419190 °	37.817185 ° -121.419330 °	17
28	1.19	1.19	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	37.817048 ° -121.419307 °	37.817048 ° -121.419307 °	14
29	1.26	1.26	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.818051 ° -121.419743 °	37.818051 ° -121.419743 °	31
30	1.27	1.31	Earthen Levee	Trim / Thin Trees	WS	C	Trim trees to at least five feet above ground level.	37.818125 ° -121.419713 °	37.818685 ° -121.419727 °	19

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough						Right	1.37	04/08/2010 04/08/2010	John Paasch

LMR No	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
31	1.28	1.33	Earthen Levee	Encroachments	LS	CO	Buildings Inspector Comments: Buildings and equipment encroach within 10-ft of landside toe.	37.818277 ° -121.419725 °	37.819040 ° -121.419760 °	23 Y
32	1.32	1.32	Earthen Levee	Vegetation	WS	M	Elderberries are blocking visibility and flood fight capability.	37.818829 ° -121.419776 °	37.818829 ° -121.419776 °	32

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	1
Start Levee Mile	0.01
End Levee Mile	0.38
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Annual grasses and vegetation on levee slope.	
jpaasch_s_20100412_285.jpg	



Levee Mile Report Line	4
Start Levee Mile	0.08
End Levee Mile	0.08
Location	Water Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo of unacceptable vegetation on levee slope.	
jpaasch_s_20100330_114.jpg	



Levee Mile Report Line	6
Start Levee Mile	0.23
End Levee Mile	0.23
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees
Trees within 20' of crown on waterside slope should be trimmed to allow access and visibility.	
jpaasch_s_20100412_286.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	9
Start Levee Mile	0.40
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Fall 2009 photo: brush on landside toe limits visibility and accessibility.	
jpaasch_s_20100330_115.jpg	



Levee Mile Report Line	9
Start Levee Mile	0.40
End Levee Mile	0.66
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Brush on landside slope limits access.	
jpaasch_s_20100412_284.jpg	



Levee Mile Report Line	10
Start Levee Mile	0.42
End Levee Mile	0.43
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Spring 2010 photo of erosion site.	
jpaasch_s_20100412_287.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	11
Start Levee Mile	0.54
End Levee Mile	0.54
Location	Water Side
Category	Earthen Levee
Item	Slope Stability

Animal tracks on landside slope have created a slope stability issue.

jpaasch_s_20100412_283.jpg



Levee Mile Report Line	12
Start Levee Mile	0.56
End Levee Mile	0.56
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Irrigation intake pump and pipe at waterside slope.

jpaasch_s_20100412_288.jpg



Levee Mile Report Line	13
Start Levee Mile	0.69
End Levee Mile	0.85
Location	Water Side
Category	Earthen Levee
Item	Vegetation

Trees and dense brush obstruct access and visibility.

jpaasch_s_20100510_368.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

Tuesday, July 06, 2010 15:59

FINAL DATA

Page 6 of 8

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	22
Start Levee Mile	0.88
End Levee Mile	0.91
Location	Land Side
Category	Earthen Levee
Item	Animal Control

Fall 2009 photo of active rodent burrow on waterside slope.

jpaasch_s_20100330_116.jpg



Levee Mile Report Line	25
Start Levee Mile	1.07
End Levee Mile	1.07
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

Tree stump >2" left after vegetation and tree removal.

jpaasch_s_20100412_289.jpg



Levee Mile Report Line	31
Start Levee Mile	1.28
End Levee Mile	1.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo: boat and equipment stored within 10-ft of levee slope are an encroachment.

jpaasch_s_20100330_117.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
PO : Partially Obstructing
CO : Completely Obstructing
N : Not Inspected
C : Corrected
W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2010

Reclamation District No. 2089 Stark

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Salmon Slough	Right	1.37	04/08/2010 04/08/2010	John Paasch

Levee Mile Report Line	31
Start Levee Mile	1.28
End Levee Mile	1.33
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Fall 2009 photo: Buildings and patio decks are built within 10-ft of the levee slope.

jpaasch_s_20100330_118.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing C : Corrected
M : Minimally Acceptable CO : Completely Obstructing W : Watch/Monitor
U : Unacceptable N : Not Inspected